

## EAST Search History

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| S1    | 0    | 381/123.ccls. and surround adj3 sounds                              | US-PGPUB; USPAT | OR               | OFF     | 2006/04/24 12:32 |
| S2    | 230  | 381/123.ccls.   | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:18 |
| S3    | 0    | 381/123.ccls. and test adj3 sounds                                  | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 15:50 |
| S4    | 205  | 381/123.ccls.   | USPAT           | OR               | OFF     | 2005/01/08 15:54 |
| S5    | 0    | 381/103.ccls. SAME surround adj3 sound                              | USPAT           | OR               | OFF     | 2005/01/08 15:55 |
| S6    | 0    | 381/103.ccls. SAME surround adj3 sound                              | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 15:56 |
| S7    | 0    | 381/58-59.ccls. SAME surround adj3 sound                            | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 15:55 |
| S8    | 26   | 381/58-59.ccls. and surround adj3 sound                             | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 15:59 |
| S9    | 11   | 381/103.ccls.and surround adj3 sound                                | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 15:56 |
| S10   | 19   | 381/58-59.ccls. and microphone SAME (loudspeaker SAME speaker)      | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:01 |
| S11   | 0    | 381/307.ccls. and microphone SAME (loudspeaker SAME speaker)        | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:01 |
| S12   | 105  | "381"/\$.ccls. and grier.xa.  | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:02 |
| S13   | 6    | "381"/\$.ccls. and Hosoi.In.  | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:23 |
| S14   | 0    | "381"/\$.ccls. and Harvey-Minsun. PA.                               | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:04 |
| S15   | 3    | "381"/\$.CCLS. AND HARVey-minsun.xp.                                | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:06 |
| S16   | 4    | Harvey-MinSun.xp.   | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:06 |
| S17   | 398  | harvey-minsun\$.xp.   | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:08 |
| S18   | 1    | 381/307.ccls. and microphone SAME detect                            | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:09 |
| S19   | 0    | 381/56-59.ccls. and microphone SAME detect SAME surround adj3 sound | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:10 |
| S20   | 0    | 381/103.ccls. and microphone SAME detect SAME surround adj3 sound   | US-PGPUB; USPAT | OR               | OFF     | 2005/01/08 16:10 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S21 | 8   | 381/98-99.ccls. and microphone<br>SAME detect    | US-PGPUB;<br>USPAT                          | OR | OFF | 2005/01/08 16:11 |
| S22 | 162 | 381/98-99.ccls. and microphone                   | US-PGPUB;<br>USPAT                          | OR | OFF | 2005/01/08 16:11 |
| S23 | 1   | "20040184619"                                    | US-PGPUB;<br>USPAT                          | OR | OFF | 2005/01/08 16:23 |
| S24 | 5   | "6466832"  | US-PGPUB;<br>USPAT                          | OR | OFF | 2005/01/08 16:23 |
| S25 | 25  | 381/77.ccls. and surround adj3<br>sound          | US-PGPUB;<br>USPAT                          | OR | OFF | 2005/01/10 08:15 |
| S26 | 35  | 381/77-79.ccls. and power adj3<br>line           | US-PGPUB;<br>USPAT                          | OR | OFF | 2005/09/13 13:11 |
| S27 | 5   | "381"/\$.ccls. and power adj3 line<br>SAME modem | US-PGPUB;<br>USPAT                          | OR | OFF | 2005/09/13 13:51 |
| S28 | 4   | 700/94.ccls. and power adj3 line<br>SAME modem   | US-PGPUB;<br>USPAT                          | OR | OFF | 2005/09/13 13:51 |
| S29 | 150 | 381/77-81.ccls. and light                        | US-PGPUB;<br>USPAT;<br>EPO; JPO             | OR | OFF | 2005/09/18 11:04 |
| S30 | 33  | 381/77-81.ccls. and light SAME<br>sound          | US-PGPUB;<br>USPAT;<br>EPO; JPO             | OR | OFF | 2005/09/18 11:11 |
| S31 | 21  | 381/300.ccls. and light SAME<br>sound            | US-PGPUB;<br>USPAT;<br>EPO; JPO             | OR | OFF | 2005/09/18 11:12 |
| S32 | 1   | 381/123.ccls. and test adj3 signals              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 10:38 |
| S33 | 7   | 381/77-79.ccls. and test adj3<br>signals         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 11:27 |
| S34 | 12  | 381/77-84.ccls. and test adj3<br>signals         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 10:45 |
| S35 | 4   | 381/61.ccls. and test adj3 signals               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 10:50 |
| S36 | 50  | 381/58-59.ccls. and test adj3<br>signals         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 11:02 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S37 | 315 | 381/123.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 11:02 |
| S38 | 269 | 381/123.ccls.   | US-PGPUB;<br>USPAT                          | OR | OFF | 2006/04/24 11:28 |
| S39 | 12  | 381/77-85.ccls. and test adj3<br>signals  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:18 |
| S40 | 23  | 381/123.ccls. and ((test adj3<br>signal) or (white adj3 noise) or<br>(pink adj3 noise) or random) | US-PGPUB;<br>USPAT                          | OR | OFF | 2006/04/24 11:31 |
| S41 | 82  | 381/119.ccls. and ((test adj3<br>signal) or (white adj3 noise) or<br>(pink adj3 noise) or random) | US-PGPUB;<br>USPAT                          | OR | OFF | 2006/04/24 11:32 |
| S42 | 40  | "381"/\$.ccls. and grier.xp.  | US-PGPUB;<br>USPAT                          | OR | OFF | 2006/04/24 12:32 |
| S43 | 114 | "381"/\$.ccls. and grier.xa.  | US-PGPUB;<br>USPAT                          | OR | OFF | 2006/04/24 12:32 |
| S44 | 43  | grier.xp.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:29 |
| S45 | 1   | 381/77-85.ccls. and inagaki.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:29 |
| S46 | 0   | 381/61.ccls. and inagaki.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:29 |
| S47 | 0   | 381/58-59.ccls. and inagaki.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:30 |
| S48 | 0   | 381/123.ccls. and inagaki.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:30 |
| S49 | 0   | 381/119.ccls. and inagaki.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:30 |
| S50 | 0   | 381/103.ccls. and inagaki.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:30 |

## EAST Search History

|     |   |  |   |    |     |                  |
|-----|---|--|---|----|-----|------------------|
| S51 | 0 | 340/310.01.ccls. and inagaki.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:30 |
| S52 | 0 | 340/310.01.ccls. and test adj3<br>signals SAME (speakers or<br>loudspeakers) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:31 |
| S53 | 0 | 340/310.01.ccls. and test adj3<br>signals                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/24 14:31 |